



Commercial Series 8 Input - 2 X 120W Drivecore Mixer-Amp Fanless 4 /8 /70V/100V

CSMA2120

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Designed for commercial and industrial use, the CSMA 2120 Commercial Series Mixer/Amplifier from JBL is a mixer/amplifier with eight mixer-channel inputs and two output channels. Its capable of reaching 120W of peak power with 15W per channel. The units front panel sports volume controls for each channel, as well as two master volume adjustment knobs, two sets of bass and treble controls, and a power switch. The volume controls are illuminated so they can be seen and operated in darkened environments.

The amplifier, capable of driving both eight and four Ohm loads, can be used with 70V and 100V distributed audio systems without the need for a separate transformer. On its back panel you'll find euroblock connections for mic/line inputs, as well as unbalanced RCA inputs, speaker connections, dip switches for input routing, and more. The unit is also equipped with two RJ45 connectors for use with JBL CSR-V in-wall volume controls (available separately).

This Commercial Series mixer/amplifier boasts such features as voice activating ducking (useful for paging over background music), priority muting for channels one and five, and a sleep mode which automatically powers down the unit when no audible signal has been received for longer than 30 minutes. Also, with two auxiliary outputs, you may connect to an additional amplifier, though the master volume and tone controls will have no bearing on the resulting signal.

Channel Modes

8 inputs with 2 outputs of 120W of power.

Controls

Independent Bass and Treble controls for each output channel.

Input level and output volume controls.

Hi-Z Switch

The Hi-Z switch will switch in the built-in output transformer allowing the unit to drive 70V or 100V speaker systems directly when connected to the appropriate output terminals.

Phantom Power

Phantom power (27 V) can be applied to all mic inputs by turning on Phantom Power within the dip switches.

VOX Function

Voice activated ducking is available on input channel 1 and channel 5. The audio input level required to activate ducking is set using the trim pot on the rear panel. Adjusting in the counter-clockwise direction will reduce that level, while the full clockwise setting will disable the VOX function.

Priority Muting

Channels one and five may be used as priority channels, muting all other channels when pins 4 and 5 are shorted using a switch closure. If the amplifier has entered sleep mode due to inactivity, invoking priority will also bring the unit out of sleep and ready for transmitting an announcement.

Remote Volume Control

Remote volume control can be implemented using a CSR-V controller connected via an Ethernet cable to the RJ45 connector on the back panel.

Sleep Mode

This unit is designed to go into sleep mode after approximately 30 minutes operating with no signal at any of the inputs. Return of signal (-40 dBu or 7.75mVRMS) to any input will wake the unit. Also, a switch closure across the priority input pins will return the unit to normal operating mode.

AUX output

An auxiliary output that you may connect to additional amplifiers is available. The audio signal is the mix of the input channels. Note that the master volume control and tone controls will have no effect on the aux output signal.

Manufacturing

Crowns DriveCore technology

HARMANs GreenEdge environmental standards

Certifications and Approvals

Lead-free RoHS standards, utilizing recycled metals, and using an energy-saving powder coat process

Energy Star certified

Features:

- For Commercial and Industrial Use
- 120W into 8 or 4 Ohm Loads
- 15W Per Channel
- 8 Input Channels, 2 Output Channel